SAP Crystal Solutions
SAP Crystal Reports and SAP Crystal Server

Comparison of Features by Version
For SAP® Crystal Reports® and
SAP Crystal Server Software

SAP®

The Best-Run Businesses Run SAP™

DELIVER THE POWER OF INFORMATION WITH SAP® CRYSTAL REPORTS® SOFTWARE

SAP® Crystal Reports® 2013 software continues our tradition of reporting excellence and innovation. SAP Crystal Reports software enables your end users to consume reports that include stunning visualizations while they conduct on-report business modeling and execute decisions instantly from the report itself – reducing dependency on IT and developers. Whether you are a business user, IT professional, report designer, or an application developer, SAP Crystal Reports delivers richly formatted, actionable data for more informed decision making through any application, and for any device.

The comparison matrix presented in Table 1 provides a checklist of features in current and previous versions of SAP Crystal Reports.

TAP INTO YOUR DATA SOURCES

SAP Crystal Reports can connect to almost any data source – including relational, online analytical processing (OLAP), and XML data. Whether you require access to relational databases, OLAP cubes, spreadsheets, log files, or applications, you can use SAP Crystal Reports to access them.

SAP Crystal Reports also supports Unicode, so you can report off data stored in virtually any language. For developers, access to user-defined or application in-memory data is available through Plain Old Java Objects (POJOs) and ADO.NET.

For information about supported platforms and data sources, please visit the SAP Product Availability Matrix at **http://service.sap.com/pam** and search for the desired version of SAP Crystal Reports.

GET AFFORDABLE, ENTRY-LEVEL BUSINESS INTELLIGENCE WITH SAP CRYSTAL SERVER SOFTWARE

Get easy, self-serve information access to reports, dashboards, and search and exploration documents – without causing IT bottlenecks. An affordable, entry-level business intelligence (BI) solution, SAP Crystal Server software delivers secure, personalized information sharing through a single semantic layer and server. Its fast, modular deployment options fit mixed IT, business, and development environments.

Managed access to BI documents can be combined with business processes through office documents or portals, such as Microsoft Office and Microsoft SharePoint, or integrated into applications programmatically through comprehensive software developer kits (SDKs).

SAP Crystal Server includes SAP BusinessObjects Explorer® software for guided data exploration. By combining simple keyword searches with intuitive exploration capabilities, your business users have self-serve, fact-based answers without IT bottlenecks.

SAP Crystal Server also includes SAP Crystal Reports for Enterprise software, a Java-based report design tool that accesses data from the SAP BusinessObjects™ BI Semantic Layer Java SDK.

The comparison matrix presented in provides a checklist of features supported in current and previous versions of SAP Crystal Server.

ACCESS ONLINE DOCUMENTATION AND TECHNICAL REFERENCES

You can access online documentation, forums, downloads, and more from the SAP Support Portal service at www.sap.com/crystal.

Table 1: SAP® Crystal Reports® Software Comparison Matrix

Key: Editions – Developer (D), Professional (P), Standard (S)

High-Productivity Report Creation Features	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Wizards and experts for report creation	✓	✓	✓	✓	✓	✓	D,P,S
Database expert for graphical table linking	✓	✓	✓	✓	✓	✓	D,P,S
Field explorer to manage report fields	✓	✓	✓	✓	✓	✓	D,P,S
Drill down in runtime	✓	✓	✓	✓	✓	✓	D,P,S
Autosave	✓	✓	✓	✓			D,P,S
Editable preview window	✓	✓	✓	✓		✓	D,P,S
Browse field data	✓	✓	✓	✓	✓	✓	D,P,S
Move, resize, and multiselect objects	✓	✓	✓	✓	✓	✓	D,P,S
Custom templates	✓	✓	✓	✓			D,P,S
Repository for component reuse	✓	✓	✓	✓			D,P
Workbench tool for managing projects	✓	✓	✓	✓			D,P,S
Automatic patch notification and installation	✓	✓	✓	✓	✓	✓	D,P,S
Start page to stay connected with latest information	✓	✓	✓	✓	✓	✓	D,P,S
HTML preview	✓	✓	✓	✓	✓	✓	D,P
Extension points for custom wizards, toolbar buttons, and designer events						✓	
Extension points for toolbar buttons	✓	✓	✓	✓			
Multilingual report design and view	✓	✓	✓	✓			
Dual monitor support	✓	✓	✓	✓	✓	✓	
Freehand SQL command object to optimize relational queries	✓	✓	✓	✓			
Verify database options		✓	✓	✓	✓		

---

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

Comprehensive Formatting and Design Control Features	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Cross-tab objects	✓	✓	✓	✓	✓	✓	D,P,S
Subreport objects	✓	✓	✓	✓	✓	✓	D,P,S
Save subreport as stand-alone report	✓	✓	✓	✓	✓		D,P,S
Text objects	✓	✓	✓	✓	✓	✓	D,P,S
Line and box objects	✓	✓	✓	✓	✓	✓	D,P,S
Multipass reporting with powerful grouping and sorting	✓	✓	✓	✓	✓	✓	D,P,S
Top-n and bottom-n sorting	✓	✓	✓	✓	✓	✓	D,P,S
Sorting on groups and detail records	✓	✓	✓	✓	✓	✓	D,P,S
Hierarchical grouping	✓	✓	✓	✓	✓	✓	D,P,S
Custom (named) grouping	✓	✓	✓	✓	✓	✓	D,P,S
Conditional font and text formatting	✓	✓	✓	✓	✓	✓	D,P,S
Formula control of formatting	✓	✓	✓	✓	✓	✓	D,P,S
Text rotation	✓	✓	✓	✓	✓	✓	D,P,S
Integrated charting	✓	✓	✓	✓	✓	✓	D,P,S
Chart on subtotals, group details, and formulas	✓	✓	✓	✓	✓	✓	D,P,S
BLOB bitmap support	✓	✓	✓	✓	✓	✓	D,P,S
Graphic image support for BMP, TIFF, JPEG, PNG, PCX, TGA, and PICT formats	✓	✓	✓	✓	✓	✓	D,P,S
BASIC-like syntax in formula language	✓	✓	✓	✓	✓		D,P,S
Hierarchical group summary	✓	✓	✓	✓	✓		D,P,S
Support for Unicode data and text	✓	✓	✓	✓	✓	✓	D,P,S
Display string formatting	✓	✓	✓	✓	✓	✓	D,P,S
Support for vector-based images	✓	✓	✓	✓	✓	✓	D,P,S
Formula workshop for building formulas	✓	✓	✓	✓	✓	✓	D,P,S
Custom functions to reuse logic	✓	✓	✓	✓	✓	✓	D,P,S
Define report parts for portal integration	✓	✓	✓	✓	✓		D,P,S
Format painter to reuse formatting	✓	✓	✓	✓	✓	✓	D,P,S
Horizontal page numbers	✓	✓	✓	✓	✓	✓	D,P,S
Parameterized n value for top-n style reports	✓	✓	✓	✓	✓		D,P,S
Drag-and-drop charting and cross-tabs	✓	✓	✓	✓		✓	D,P,S
Dynamic image location	✓	✓	✓	✓	✓	✓	D,P,S
Save export options within the report	✓	✓	✓	✓			D,P,S
Add XSLT transform to XML export	✓	✓	✓	✓			
Flash objects	✓	✓	✓	✓	Runtime	Runtime	
Cross-tab calculated members for custom rows and columns	✓	✓	✓	✓	Runtime	Runtime	
Insert blank lines in cross-tabs	✓	✓	✓	✓	Runtime	Runtime	
Change parameters without refreshing data	✓	✓	✓	✓	✓	✓	
Page break after n-detail records	✓	✓	✓	✓	✓	Runtime	
Page size measured in pixels	✓	✓	✓	✓	✓	Runtime	
Formula-driven page margins	✓	✓	✓	✓	✓	Runtime	
Portrait or landscape orientation by section	✓	✓	✓	✓	✓	Runtime	
Optional parameters	✓	✓	✓	✓	✓	Runtime	
Built-in bar-code support	✓	✓	✓	✓	Runtime	Runtime	

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

Interactive Analysis Tools	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Smart navigation: group tree, drill down, and search	✓	✓	✓	✓	✓	✓	D,P,S
Geographic maps	✓	✓	✓	✓			D,P,S
Customizable cross-tabs	✓	✓	✓	✓	✓	✓	D,P,S
Report alerts	✓	✓	✓	✓			D,P,S
Integrated analyzer for charts	✓	✓	✓	✓			D,P,S
Conditional formatting on charts	✓	✓	✓	✓			D,P,S
Drill-down-level functionality	✓	✓	✓	✓	✓	✓	D,P,S
On-report sort controls for interactive sorting	✓	✓	✓	✓	✓	Runtime	
Parameter panel for interactive filtering and formatting	✓	✓	✓	✓	Runtime	Runtime	
Adobe Flash integration (embed SWF objects)	✓	✓	✓	✓	Runtime	Runtime	

Viewers	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Java applet viewer	✓	✓	✓			✓	D
ActiveX viewer	✓	✓	✓				D
WPF viewer	✓	✓			✓		
DHTML viewer	✓	✓	✓	✓		✓	D
.NET WinForm viewer	✓	✓	✓		✓		D
.NET WebForm viewer	✓	✓	✓		✓		D
Report parts viewer for portal integration	✓	✓	✓		✓	✓	D
Advanced viewer to search report and export results							D,P
Grid viewer							D
Mobile report parts viewer							D

Exports Supported in Viewers	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Export to Microsoft Excel	✓	✓	✓	✓	✓	✓	D,P,S
Export to Microsoft Excel (data only)	✓	✓	✓	✓	✓	✓	D,P,S
Export to Microsoft Workbook (data only XLSX)	✓	✓		✓	✓		
Export to Microsoft Word (RTF)	✓	✓	✓	✓	✓	✓	D,P,S
Export to PDF	✓	✓	✓	✓	✓	✓	D,P,S
Export to Microsoft Word (editable RTF)	✓	✓	✓	✓	✓	✓	D,P,S
Export to XML with optional XSLT transform	✓	✓	✓	✓	✓		
Export to character-separated values (CSV)	✓	✓	✓	✓	✓		

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

Viewer Features	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Parameter prompts in Web viewers	✓	✓	✓	✓	✓	✓	D,P
Local printing and export	✓	✓	✓	✓	✓	✓	D,P
Page on demand	✓	✓	✓	✓	✓	✓	D,P
Customizable report viewer settings	✓	✓	✓	✓	✓	✓	D
Dynamic and cascading prompts	✓[1]	✓[1]	✓[1]	✓	✓	✓	D,P
Parameter panel for interactive filtering and formatting	✓[1,2]	✓[1,2]	✓[1,2]	✓	✓	✓	
Support for long lists of values in a parameter prompt	✓[1]	✓[1]	✓[1]	✓	✓	✓	
Drill down creates new tabs	✓[3]	✓[3]	✓	✓[3]	✓	✓	
On-report sort controls for interactive sorting	✓[2]	✓[2]	✓[2]	✓	✓	✓	
Custom zoom factor	✓[1]	✓[1]	✓[1]	✓	✓	✓	
Render cross-tabs as DHTML tables for improved accessibility	✓[4]	✓[4]	✓[4]	✓	✓	✓	
Open read-only RPT (RPTR) files in viewers	✓	✓			✓		
HTML viewers support right-to-left locales (mirrored interface, right-to-left Arabic, bidirectional text support in single report)	✓			✓			

Report Viewing in the Report Designer	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Drill down in runtime preview window	✓	✓	✓	✓	✓		D
Search panel	✓	✓	✓	✓			
Export to DHTML (HTML 4.0; Designer only)	✓	✓	✓	✓	✓		D,P,S
Export to Microsoft Excel	✓	✓	✓	✓	✓	✓	D,P,S
Export to Microsoft Excel (data only)	✓	✓	✓	✓	✓	✓	D,P,S
Export to Microsoft Workbook (data only XLSX)	✓	✓	✓	✓	✓		
Export to Microsoft Word (RTF)	✓	✓	✓	✓	✓	✓	D,P,S
Export to comma-separated values (CSV), paginated text, record style (columns of values), report definition, and tab-separated text and values	✓	✓	✓	✓	✓	✓	D,P,S
Export to disk	✓	✓	✓	✓	✓		D,P,S
Export to application	✓	✓	✓	✓			D,P,S
Export to ODBC databases	✓	✓	✓		✓		D,P,S
Export to Microsoft Exchange	✓	✓	✓		✓		D,P,S

1. Not available with Java applet viewer
2. Not available with ActiveX viewer
3. DHTML viewer drill down will show as breadcrumb style
4. DHTML viewer only

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

Report Viewing in the Report Designer	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Export to Lotus cc:Mail							D,P,S
Export to Lotus Domino	✓	✓	✓		✓		
Export to Lotus Notes							D,P,S
Export or e-mail reports with saved data	✓	✓	✓	✓	✓		D,P,S
Export to XML	✓	✓	✓	✓	✓		D,P,S[5]
Export to PDF	✓	✓	✓	✓	✓	✓	D,P,S
Export to Microsoft Word (editable RTF)	✓	✓	✓	✓	✓	✓	D,P,S
Export to XML with optional XSLT transform	✓	✓	✓	✓	✓		
Export to read-only RPT (RPTR)	✓	✓					
Export to HTML5	✓			✓			
Support for Microsoft Smart Tags in Microsoft Office XP	✓	✓	✓				D,P,S

Report Types	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Mailing labels	✓	✓	✓	✓			D,P,S
Cross-tab reports	✓	✓	✓	✓	✓	✓	D,P,S
Form-style reports	✓	✓	✓	✓	✓	✓	D,P,S
Subreports	✓	✓	✓	✓	✓	✓	D,P,S
Conditional reports	✓	✓	✓	✓	✓	✓	D,P,S
Top-n and bottom-n reports	✓	✓	✓	✓	✓	✓	D,P,S
Drill-down and summary reports	✓	✓	✓	✓	✓	✓	D,P,S
OLAP reports	✓	✓	✓	✓[6]			D,P

Chart Types	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Bar, stacked bar, column, stacked column	✓	✓	✓	✓	✓	✓	D,P,S
Line, area, pie scatter, bubble	✓	✓	✓	✓	✓	✓	D,P,S
Gantt, gauge	✓	✓	✓	✓	✓	✓	D,P,S
Numeric or date-time x-axis	✓	✓	✓	✓	✓	✓	D,P,S
Funnel	✓	✓	✓	✓	✓	✓	D,P,S

5. These export features are only available in the designer and not in the Web interface.
6. Via the OLAP semantic layer authored in the information design tool (UNX)

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

Application Development Features	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Report Designer Control (RDC)							D
Visual Control Library (VCL)							D
Support Microsoft Visual Basic 6.0 features							D
Support for unbound fields with auto-binding	✓	✓	✓		✓		D
Active data driver support (ADO, RDO, CDO) for runtime data sources	✓	✓	✓		✓		D
ADO.NET data source	✓	✓	✓		✓		
POJO data source	✓	✓	✓			✓	
Event and call-back support	✓	✓	✓		✓		D
User Function Libraries (UFLs) support COM objects	✓	✓	✓		✓		D,P,S
Viewing SDK in .NET and Java	✓	✓	✓		✓	✓	D
Viewing SDK in COM							D
Report creation and modification SDK in .NET	✓	✓	✓		✓		D
Report creation and modification SDK in Java						✓	D
Report creation and modification SDK in COM							D
Custom JSP Tag Library (for viewing)						✓	D
Compliant with Java Server Faces							D
Server-side printing with RAS SDK	✓	✓	✓		✓	✓	D
Web service access to XML data	✓	✓	✓		Runtime only[7]	Runtime only	D
Java UFLs	✓	✓	✓			✓	D
Support for hierarchical data (ADO, ADO.NET)	✓	✓	✓		✓		
LINQ objects as a data source	✓	✓	✓		✓		
Create .NET add-ins to the designer	✓	✓	✓				
Unicode-compliant UFL interface	✓	✓	✓		✓		
Support for Microsoft Visual Studio			VS2008 VS2005 VS2003		VS2013 VS2012 VS2010		VS2005 VS2003 VS2002
Versions of Microsoft Visual Basic supported by developer edition		✓	✓				VB6
Support for OpenDoc API with a very long URL	✓	✓	✓	✓			

7. Starting with SP6

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

"Runtime only" means that the feature is supported within the runtime engine, but SAP Crystal Reports 2008 or SAP Crystal Reports 2011 is required to design a report that uses that feature.

Data Access Features	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Heterogeneous data sources	✓	✓	✓	✓	✓		D,P,S
Select distinct query for selecting records	✓	✓	✓	✓	✓		D,P,S
Top-n query for selecting records	✓	✓	✓	✓	✓		D,P,S
SQL database access and pass-through	✓	✓	✓	✓	✓		D,P,S
Ad hoc SQL command	✓	✓	✓	✓	✓	✓	D,P
Sort data on SQL database servers	✓	✓	✓	✓	✓		D,P,S
Security pass-through	✓	✓	✓	✓	✓		D,P,S
Database driver conversion	✓	✓	✓	✓	✓		D,P,S
Group-by, aggregation, and SQL expressions supported on non-SQL database servers	✓	✓	✓	✓	✓		D,P,S
Stored procedure support (access via ODBC, Oracle, Sybase, SQL Server, Watcom/SQL Anywhere)	✓	✓	✓	✓	✓		D,P,S
Unlimited SQL commands	✓	✓	✓	✓	✓	✓	D,P,S
Support of multivalue parameters for SQL commands	✓	✓	✓	✓	✓		
Web service data access	✓	✓	✓	✓	Runtime only[7]	Runtime only	D,P
OLAP data access	✓	✓	✓	✓			D,P
Support semantic layer created by the universe designer (UNV)	✓	✓	✓				✓
Support semantic layer created by the information design tool (UNX)				✓			

SAP HANA® platform support	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Relational data access (JDBC and ODBC)	✓	✓		✓			
Relational semantic layer support (UNX)				✓			
Multidimensional access to SAP HANA analytical and calculation views				✓[8]			

7. Starting with SP6
8. Starting with BI4.1

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

"Runtime only" means that the feature is supported within the runtime engine, but SAP Crystal Reports 2008 or SAP Crystal Reports 2011 is required to design a report that uses that feature.

For information on native, ODBC, JDBC, and all other data connectivity, review the appropriate platforms and data sources document.

Supported Languages[9]	2013	2011	2008	SAP Crystal Reports for Enterprise*	Version for Visual Studio	Version for Eclipse	XI
Arabic	✓			✓			
Chinese (Simplified)	✓	✓	✓	✓	✓	✓	D,P
Chinese (Traditional)	✓	✓	✓	✓	✓	✓	D,P
Czech	✓	✓	✓	✓		✓	
Danish	✓	✓	✓	✓			
Dutch	✓	✓	✓	✓			D,P
English	✓	✓	✓	✓	✓	✓	D,P,S
Finnish	✓	✓	✓	✓			
French	✓	✓	✓	✓	✓	✓	D,P
German	✓	✓	✓	✓	✓	✓	D,P
Hungarian	✓	✓	✓	✓		✓	
Italian	✓	✓	✓	✓	✓	✓	D,P
Japanese	✓	✓	✓	✓	✓	✓	D,P
Korean	✓	✓	✓	✓	✓	✓	D,P
Norwegian	✓	✓	✓	✓			
Polish	✓	✓	✓	✓		✓	D,P
Portuguese (Brazil)	✓	✓	✓	✓		✓	D,P
Russian	✓	✓	✓	✓	✓	✓	
Slovakian	✓	✓	✓	✓			
Spanish	✓	✓	✓	✓	✓	✓	D,P
Swedish	✓	✓	✓	✓			
Thai	✓	✓	✓	✓			
Turkish	✓	✓	✓	✓			

9. Some components may be provided in English only

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

All other features are available for both report design and deployment (where applicable).

Table 2: SAP® Crystal Server Comparison Matrix

Viewing and Interaction Features	2013	2011	2008	XI Release 2	XI
Report refresh on demand	✓	✓	✓	✓	✓
Interactive Web-based viewer (ActiveX, Java applet)	✓	✓	✓	✓	✓
Integrated end-user portal	✓	✓	✓	✓	✓
End-user personalized and localized portal	✓	✓	✓	✓	✓
Collaboration (discussion threads)	✓	✓	✓	✓	✓
Integrated search feature	✓	✓	✓	✓	✓
Consume interactive reports over the Web	✓	✓	✓	✓	
Offline viewing	✓	✓	✓	✓	
Interactive Web-based viewer (DHTML)	✓	✓	✓		
SAP® Crystal Dashboard Viewing option (Named User License [NUL] only)	✓	✓	✓		
Dashboard layout (NUL only)	✓	✓	✓		
End-user data exploration (NUL only)	✓	✓			
Consume interactive reports on mobile devices	✓				
Consume PDF reports on mobile devices	✓	✓			
End-user data exploration on mobile devices (NUL only)	✓	✓			

Manage, Secure, and Configure Features	2013	2011	2008	XI Release 2	XI
Web-based report management console	✓	✓	✓	✓	✓
Security for groups, users, folders, and reports	✓	✓	✓	✓	✓
Data-level security	✓	✓	✓	✓	✓
Batch publishing of reports to the central repository	✓	✓	✓	✓	✓
Security for groups, users, folders, and reports	✓	✓	✓	✓	✓
Single sign-on	✓	✓	✓	✓	✓
Page caching for scalability	✓	✓	✓	✓	✓
Customizable Web portal interface	✓	✓	✓	✓	✓
Security integration with LDAP, Kerberos, eTrust SiteMinder, and Windows NT Active Directory	✓	✓	✓	✓	✓
Report object repository (store SQL, text, and images)	✓	✓	✓	✓	✓
Bulk action support on multiple selected objects	✓	✓	✓		
Custom access levels for improved user management	✓	✓	✓		
Deployment diagnostic tool	✓	✓	✓		
Software inventory tool to track administrative changes	✓	✓	✓		
Web-based centralized server management	✓	✓	✓		
Auditing of user activity and system events	✓	✓	✓		
Sample auditing reports	✓	✓	✓		
Lifecycle management to promote content between development, test, and production systems	✓	✓			
System diagnosis and monitoring	✓	✓			
Auditing dashboard	✓	✓			
Version control	✓	✓			
Support for the FIPS 140 cryptography standard	✓	✓			
Caching and processing servers for dashboard design data access	✓	✓			
SAP SQL Anywhere® solutions bundled as database server for CMS and auditing data store	✓				
System configuration wizard	✓				

Sharing and Publishing Features	2013	2011	2008	XI Release 2	XI
Report scheduler	✓	✓	✓	✓	✓
Event-based report scheduling	✓	✓	✓	✓	✓
Report scheduling of object packages	✓	✓	✓	✓	✓
Distribution to e-mail, file share, and paper	✓	✓	✓	✓	✓
Schedule alerts and notifications	✓	✓	✓	✓	✓
Destination format to print	✓	✓	✓	✓	✓
Optionally add more publication recipients	✓	✓	✓		
Destination format to Microsoft Excel and Word	✓	✓	✓	✓	✓
Destination format to comma-separated values (CSV), paginated text, record style (columns of values), and tab-separated text and values	✓	✓	✓	✓	✓
User and group profiles for tailored delivery	✓	✓	✓	✓	✓
Global and recipient-level delivery rules	✓	✓	✓	✓	
Bulk management of scheduled instances	✓	✓	✓	✓	
Destination format to PDF and XML	✓	✓	✓		
Data-driven publishing	✓	✓	✓		
Personalized publications	✓	✓	✓		
Publication management	✓	✓	✓		
Publication failure handling	✓	✓	✓		
Share SAP BusinessObjects Explorer® software results by exporting or by e-mail	✓	✓			

Support of SAP Crystal Reports® Features	2013	2011	2008	XI Release 2	XI
Semantic layer support (business views)	✓	✓	✓	✓	✓
Print and export charts and reports over the Web	✓	✓	✓	✓	✓
Drill down on charts and reports	✓	✓	✓	✓	✓
Dynamic cascading prompts	✓	✓	✓	✓	✓
Dynamic image location	✓	✓	✓	✓	✓
Parameterized sorting and hierarchical grouping	✓	✓	✓	✓	✓
Drag-and-drop cross-tabs	✓	✓	✓	✓	
Export to Microsoft Excel and allow grouping outlines	✓	✓	✓	✓	
Export to CSV supports options to control appearance	✓	✓	✓	✓	
Integrate Adobe Flash, SAP Crystal Dashboard Design software, and Adobe Flex in reports	✓	✓	✓		
Interactivity with embedded visualizations	✓	✓	✓		
On-report parameter panels	✓	✓	✓		
On-report filter and sort controls	✓	✓	✓		
Flexible Web pagination	✓	✓	✓		
Custom calculations in cross-tab reports	✓	✓	✓		
View read-only RPT files (RPTR)	✓	✓			
Export to Microsoft Excel XLSX	✓	✓			
Support for semantic layers (UNX) created with the information design tool*	✓	✓			
Smart guidelines to move and resize columns*	✓	✓			
Platform alerting integration*	✓	✓			
Access OLAP data without using an OLAP grid*	✓	✓			
Access relational data in a hierarchical format*	✓	✓			
Common query panel for accessing semantic layers*	✓	✓			

* Feature of SAP Crystal Reports for Enterprise software, the report design tool included with SAP Crystal Server. This tool requires an SAP Crystal Reports 2013 key code.

Customization and Integration Features	2013	2011	2008	XI Release 2	XI
Microsoft .NET API for application integration	✓	✓	✓	✓	✓
Java API for application integration	✓	✓	✓	✓	✓
JavaScript API for SAP Crystal Reports content viewing	✓				
RESTFUL Web service for SAP Crystal Reports for Enterprise	✓				
Microsoft SharePoint integration	✓	✓	✓	✓	
IBM WebSphere portal integration	✓	✓	✓	✓	
Oracle WebLogic portal integration	✓	✓	✓	✓	
SAP BusinessObjects™ Live Office software	✓	✓	✓	✓	
SAP Jam social software platform for collaboration integration	✓				

Licensing	2013	2011	2008	XI Release 2	XI
Combine CAL and NUL licenses	✓	✓	✓	✓	
Support up to 350 users	✓	✓	✓		
Virtualization friendly (unlimited CPUs)	✓	✓	✓		

Supported Languages[9]	2013	2011	2008	XI Release 2	XI
Arabic	✓				
Chinese (Simplified)	✓	✓	✓	✓	✓
Chinese (Traditional)	✓	✓	✓	✓	✓
Czech	✓	✓	✓		
Danish	✓	✓	✓		
Dutch	✓	✓	✓	✓	✓
English	✓	✓	✓	✓	✓
Finnish	✓	✓	✓		
French	✓	✓	✓	✓	✓
German	✓	✓	✓	✓	✓
Hungarian	✓	✓	✓		
Italian	✓	✓	✓	✓	✓
Japanese	✓	✓	✓	✓	✓
Korean	✓	✓	✓	✓	✓
Norwegian	✓	✓	✓		
Polish	✓	✓	✓		
Portuguese (Brazil)	✓	✓	✓	✓	
Russian	✓	✓	✓		
Slovakian	✓	✓	✓		
Spanish	✓	✓	✓	✓	✓
Swedish	✓	✓	✓	✓	
Thai	✓	✓	✓		
Turkish	✓	✓			

9. Some components may be provided in English only

The Best-Run Businesses Run SAP™